

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/050806

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B26B19/40 B26B19/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B26B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/092173 A1 (AITINK ALBERT JAN ET AL) 18 July 2002 (2002-07-18) page 2, paragraph 23; figures 2-4 page 2, paragraphs 27-30; figures 6-8 ---	1,14-16, 19,21,22
X	US 2002/004986 A1 (HACZEK WERNER ET AL) 17 January 2002 (2002-01-17) page 2, paragraph 34 -page 3, paragraph 36; figures 4-6 ---	1,14,15
A	US 2002/083591 A1 (HAITES SJOERD ET AL) 4 July 2002 (2002-07-04) page 1, paragraphs 13,14; figures 2,3 ---	1,2
A	US 2 183 554 A (EVANS JAMES C) 19 December 1939 (1939-12-19) the whole document ---	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the International search

17 August 2004

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23/08/2004

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INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002092173	A1	18-07-2002	CN	1404432 T	19-03-2003
			EP	1353782 A1	22-10-2003
			WO	02051598 A1	04-07-2002
US 2002004986	A1	17-01-2002	DE	19907025 A1	31-08-2000
			AT	235995 T	15-04-2003
			CN	1104309 B	02-04-2003
			DE	59904892 D1	08-05-2003
			WO	0048798 A1	24-08-2000
			EP	1152870 A1	14-11-2001
			ES	2196886 T3	16-12-2003
			JP	2002537044 T	05-11-2002
			PT	1152870 T	31-07-2003
US 2002083591	A1	04-07-2002	CN	1398215 T	19-02-2003
			WO	0245920 A1	13-06-2002
			EP	1255628 A1	13-11-2002
			JP	2004515283 T	27-05-2004
US 2183554	A	19-12-1939	NONE		